

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 8 Numbers](#)[Edit 8 Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L20 and (wound or skin or epidermis or endodermis) same condition	3

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L21

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** **Tuesday, November 05, 2002** [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L21</u>	L20 and (wound or skin or epidermis or endodermis) same condition	3	<u>L21</u>
<u>L20</u>	(gather\$6 or analyz\$3 or collect\$6) near5 patient near5 (data or information or file or history) same diagnos\$6 near5 (malad\$3 or ill\$6 or sick\$6 or disease)	47	<u>L20</u>
<u>L19</u>	L18 and identif\$10 near5 treatment	7	<u>L19</u>
<u>L18</u>	(gather\$6 or analyz\$3 or collect\$6) near5 patient near5 (data or information or file) same diagnos\$6 near5 (malad\$3 or ill\$6 or sick\$6 or disease)	46	<u>L18</u>
<u>L17</u>	L13 and (identi\$10 and implement\$4) near5 treatment	4	<u>L17</u>
<u>L16</u>	L13 and identi\$10 near5 treatment	0	<u>L16</u>
<u>L15</u>	L13 and (identi\$10 and implement\$4) near5 treatment	0	<u>L15</u>
<u>L14</u>	L13 and (identi\$10 and implement\$4) near5 treatment	0	<u>L14</u>
<u>L13</u>	(gather\$6 or analyz\$3 or collect\$6) same data same (malad\$3 or ill\$6 or sick\$6 or disease) same patient same diagnos\$5	342	<u>L13</u>
<u>L12</u>	(gather\$6 or analyz\$3 or collect\$6) same data same (malad\$3 or ill\$6 or sick\$6 or disease) same patient same diagnos\$5	342	<u>L12</u>
<u>L11</u>	L10 and l5	0	<u>L11</u>
<u>L10</u>	L6 and l7 and l8	94	<u>L10</u>
<u>L9</u>	L5 and l6 and l7	3	<u>L9</u>
<u>L8</u>	(gather\$6 or analyz\$3 or collect\$6) same data same (malad\$3 or ill\$6 or sick\$6)	1422	<u>L8</u>
<u>L7</u>	L6 and (computer\$6 or network\$6 or www or world wide web)	6463	<u>L7</u>
<u>L6</u>	(patient or individualiz\$3) same (diagnos\$6 or prognos\$6) same treat\$6	16910	<u>L6</u>
<u>L5</u>	(assess\$6 or determin\$6 or estimat\$4) same (modify\$3 or vary\$3 or chang\$6) same preselect\$6 same (medical\$3 or clinic\$6)	52	<u>L5</u>
<u>L4</u>	(assess\$6 or determin\$6 or estimat\$4) same (modify\$3 or vary\$3 or chang\$6) same preselect\$6 same (medical\$3 or clinic\$6) same treatment	4	<u>L4</u>
<u>L3</u>	(assess\$6 or determin\$6 or estimat\$4) same (modify\$3 or vary\$3 or chang\$6) same preselect\$6 same (wound or skin) same (medical\$3 or clinic\$6) same treatment	0	<u>L3</u>
<u>L2</u>	(assess\$6 or determin\$6 or estimat\$4) same (deviation or variation) same preselect\$6 same (wound or skin) same (medical\$3 or clinic\$6) same treatment	0	<u>L2</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	(5181905 or 4813942 or 4192785 or 5588428).pn.	4	<u>L1</u>

END OF SEARCH HISTORY

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L21: Entry 2 of 3

File: USPT

Aug 21, 2001

DOCUMENT-IDENTIFIER: US 6277071 B1
TITLE: Chronic disease monitor

Brief Summary Text (11):

The use of statistical analysis to create a diagnostic model for a given disease has been employed to create trained neural networks. U.S. Pat. No. 5,769,074 to Barnhill et al, discloses a computer based method which employs the steps of collecting data about patients (such as biological, physical, demographic, racial, environmental); digitizing the data and medical historical data; selecting digitized values that are associated with the diagnosis of a disease; scaling the data; performing tests to analyze the discriminating power of the data; grouping individual data values; preprocessing the data; inputting selected data to make pre-processed values into a computer based neural network in order to train the neural network; analyzing the contributions of the individual data inputs to the network; selecting the optimally trained neural network based on the performance, accuracy and cost; and inputting other patient data into the neural network to produce an output value which indicates whether the patient may have or be susceptible to the disease. Such technology has application to diagnostic patterns which are too subtle or too complex for humans and conventional computational methods to identify and allow for the provider to access large neural networks which are capable of recognizing diagnostic patterns. U.S. Pat. No. 5,860,917 to Comanor, et al, discloses such a neural network with a statistical model derived using a robustified similarity metrical least squares (SMILES) analysis.

Detailed Description Text (5):

Patient record 16 also include test data 106. Test data 106 comprises the office visit date, practitioner, office visit comments, such as progress notes and patient concerns, are recorded. Clinical information, i.e. weight, height, blood pressure, smoking status, blood glucose recordations (SMBG), lipids profile, liver enzyme, foot exams, neuropathy, skin condition, eye exam, are stored. It will be appreciated to those skilled in the art, the blood glucose information may be entered manually or electronically transferred from a blood glucose metering device 20, such as a Life Scan OneTouch. Data may also be transferred directly from a laboratory, such as via an RS-232 port or TCP/IP (FIG. 1) in HL7 (or other standard data format). Quality of life indicators, such as number of emergency room visits, days of hospitalization, days lost from work, and activities, provide important outcome information. By storing this information in patient record 16, reports may be generated comparing changes in these factors over a given period of time and/or for a selected treatment therapy. Combinations may be applied. Further, a patient's own self assessment is recorded as diabetes is such that success in treatment is heavily dependant on the patient's active participation.

Detailed Description Text (9):

FIG. 5 illustrates a window which is prompted when office visit data is entered into patient record 16. The user may enter the office visit date, practitioner, weight, height, blood pressure, smoking status, blood glucose (SMBG) and daily range, foot exam (PVD, neuropathy, poor skin condition, podiatric referral), quality of life indicators (number of emergency room visits, days of hospitalization, days lost from work) and the patient self assessment. FIG. 6 illustrates a window which is prompted for the creation of a patient quality plan 110. The tests to be preformed on the patient are selected for enablement, frequency, alert (where a value is exceeded), threshold and goal. As described in greater detail below, the values for the threshold default to the guideline value located in guideline 14 generated for the patient population in risk manager 24. The user may enter a different value for a given threshold and override the guideline default. The user is prohibited from entering a threshold value which would be impossible (outside of permissible test ranges, for example) and which is greater than the patient population threshold. FIG. 7 illustrates a current therapy plan data

record in patient record 16 as presented to the user in a window format. The user may input comments. The information is classified by medication type, medication, dosage, frequency and start date. The nutrition plan summary and/or exercise plan summary may also be entered.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 3 of 3 returned.**☐ 1. Document ID: US 20020026103 A1

L21: Entry 1 of 3

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020026103

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020026103 A1

TITLE: Deep computing applications in medical device systems

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☒ 2. Document ID: US 6277071 B1

L21: Entry 2 of 3

File: USPT

Aug 21, 2001

US-PAT-NO: 6277071

DOCUMENT-IDENTIFIER: US 6277071 B1

TITLE: Chronic disease monitor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☒ 3. Document ID: US 5811233 A

L21: Entry 3 of 3

File: USPT

Sep 22, 1998

US-PAT-NO: 5811233

DOCUMENT-IDENTIFIER: US 5811233 A

TITLE: Compositions and uses thereof in the diagnosis of psoriasis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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Terms	Documents
L20 and (wound or skin or epidermis or endodermis) same condition	3

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L19: Entry 5 of 7

File: USPT

Jul 31, 2001

DOCUMENT-IDENTIFIER: US 6267722 B1

TITLE: Point of care diagnostic systems

Detailed Description Text (244):

Briefly, in the methods described in these applications patient data or information, typically patient history or clinical data, are analyzed by the decision-support systems to identify important or relevant variables and decision-support systems are trained on the patient data. Patient data are augmented by biochemical test data or results to refine performance. The resulting decision-support systems are employed to evaluate specific observation values and test data to guide the development of biochemical or other diagnostic tests, to assess a course of treatment, to identify new diagnostic tests and disease markers, to identify useful therapies, and to provide the decision-support functionality for the test. Methods for identification of important input variables for a medical diagnostic tests for use in training the decision-support systems to guide the development of the tests, for improving the sensitivity and specificity of such tests, and for selecting diagnostic tests that improve overall diagnosis of, or potential for, a disease state and that permit the effectiveness of a selected therapeutic protocol to be assessed are also provided. The methods for identification can be applied in any field in which statistics are used to determine outcomes. A method for evaluating the effectiveness of any given diagnostic test is also provided.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: US 20020077865 A1

L19: Entry 1 of 7

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077865

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020077865 A1

TITLE: Computerized risk management module for medical diagnosis

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[RPMC](#) [Draw Desc](#) [Image](#)☐ 2. Document ID: US 20020022973 A1

L19: Entry 2 of 7

File: PGPB

Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020022973

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020022973 A1

TITLE: Medical information management system and patient interface appliance

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[RPMC](#) [Draw Desc](#) [Image](#)☐ 3. Document ID: US 20010023419 A1

L19: Entry 3 of 7

File: PGPB

Sep 20, 2001

PGPUB-DOCUMENT-NUMBER: 20010023419

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010023419 A1

TITLE: METHOD FOR SELECTING MEDICAL AND BIOCHEMICAL DIAGNOSTIC TESTS USING NEURAL NETWORK-RELATED APPLICATIONS

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[RPMC](#) [Draw Desc](#) [Image](#)☐ 4. Document ID: US 6394952 B1

L19: Entry 4 of 7

File: USPT

May 28, 2002

US-PAT-NO: 6394952

DOCUMENT-IDENTIFIER: US 6394952 B1

TITLE: Point of care diagnostic systems

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[RPMC](#) [Draw Desc](#) [Image](#)

☐ 5. Document ID: US 6267722 B1

L19: Entry 5 of 7

File: USPT

Jul 31, 2001

US-PAT-NO: 6267722

DOCUMENT-IDENTIFIER: US 6267722 B1

TITLE: Point of care diagnostic systems

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 6. Document ID: WO 9909507 A1

L19: Entry 6 of 7

File: EPAB

Feb 25, 1999

PUB-NO: WO009909507A1

DOCUMENT-IDENTIFIER: WO 9909507 A1

TITLE: METHODS FOR SELECTING, DEVELOPING AND IMPROVING DIAGNOSTIC TESTS FOR PREGNANCY-RELATED CONDITIONS

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 7. Document ID: WO 9729447 A2

L19: Entry 7 of 7

File: EPAB

Aug 14, 1997

PUB-NO: WO009729447A2

DOCUMENT-IDENTIFIER: WO 9729447 A2

TITLE: METHOD FOR SELECTING MEDICAL AND BIOCHEMICAL DIAGNOSTIC TESTS USING NEURAL NETWORK-RELATED APPLICATIONS

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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Terms	Documents
L18 and identif\$10 near5 treatment	7

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